

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE (REV 10-95)		ATTORNEY'S DOCKET NUMBER 0112-1234
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 09/509712
INTERNATIONAL APPLICATION NO. PCT/US98/21276	INTERNATIONAL FILING DATE 8 October 1998	PRIORITY DATE CLAIMED 10 October 1997
TITLE OF INVENTION MAMMALIAN GENES INVOLVED IN VIRAL INFECTION AND TUMOR SUPPRESSION		
APPLICANT(S) FOR DO/EO/US RUBIN, Donald H.; ORGAN, Edward L.; DUBOIS, Raymond N.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1). 4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c) (2)) <ul style="list-style-type: none"> a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> has been transmitted by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)). 7. <input type="checkbox"/> A copy of the International Search Report (PCT/ISA/210). 8. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) <ul style="list-style-type: none"> a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> have been transmitted by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 9. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 10. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). 11. <input type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409). 12. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). 		
<p>Items 13 to 18 below concern document(s) or information included:</p> <ol style="list-style-type: none"> 13. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 14. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 15. <input checked="" type="checkbox"/> A FIRST preliminary amendment. 16. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 17. <input type="checkbox"/> A substitute specification. 18. <input checked="" type="checkbox"/> A change of power of attorney and/or address letter. 19. <input checked="" type="checkbox"/> Certificate of Mailing by Express Mail 20. <input checked="" type="checkbox"/> Other items or information: 		
<p>Check in the amount of \$943.00 for filing fees; return-receipt postcard; Certificate of Express Mailing No. EL348124625US; Verified Statements Claiming Small Entity Status signed by Vanderbilt University and by Avatar BioSci, Inc.</p>		

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.492)	INTERNATIONAL APPLICATION NO.	ATTORNEY'S DOCKET NUMBER
09/50972	PCT/US98/21276	01123.0004

20. The following fees are submitted:.

BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :

<input checked="" type="checkbox"/> Search Report has been prepared by the EPO or JPO	\$840.00
<input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482)	\$670.00
<input type="checkbox"/> No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2))	\$760.00
<input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO	\$970.00
<input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4)	\$96.00

CALCULATIONS PTO USE ONLY

ENTER APPROPRIATE BASIC FEE AMOUNT =

\$840.00

Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492 (e)).

 20 30

\$0.00

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	
Total claims	29 - 20 =	9	x \$18.00	\$162.00
Independent claims	11 - 3 =	8	x \$78.00	\$624.00
Multiple Dependent Claims (check if applicable).			<input checked="" type="checkbox"/>	\$260.00

TOTAL OF ABOVE CALCULATIONS = \$1,886.00

Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28) (check if applicable).

\$943.00

SUBTOTAL = \$943.00

Processing fee of \$130.00 for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492 (f)).

 20 30

+

\$0.00

TOTAL NATIONAL FEE = \$943.00

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).

\$0.00

TOTAL FEES ENCLOSED = \$943.00

Amount to be: \$

refunded \$

charged \$

A check in the amount of \$943.00 to cover the above fees is enclosed.

Please charge my Deposit Account No. in the amount of to cover the above fees.
A duplicate copy of this sheet is enclosed.

The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. 14-0629 A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Janice A. Kimpel, Ph.D.
NEEDLE & ROSENBERG, P.C.
127 Peachtree Street, N.E., Suite 1200
Atlanta, Georgia 30303 U.S.A.
(404) 688 0770



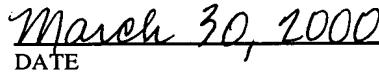
SIGNATURE

Janice A. Kimpel

NAME

42,734

REGISTRATION NUMBER

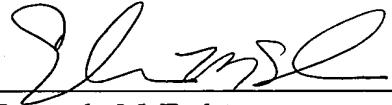


DATE

09/509712
430 Rec' CT/PTO 3-1 MAR 2000

CERTIFICATE OF EXPRESS MAILING

I hereby certify that the filing of the U.S. National Phase in the names of Rubin *et al.*, consisting of: Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. 371 (2 pages), a check in the amount of \$943.00 for filing fee, Verified Statement Claiming Small Entity Status by Vanderbilt University (2 pages), Verified Statement Claiming Small Entity Status by Avatar BioSci, Inc. (2 pages), Declaration/Power of Attorney by Rubin, Organ & Dubois and return-receipt postcard are being deposited with the United States Postal Service as Express Mail No. EL348124625US in an envelope addressed to: Box PCT, Assistant Commissioner for Patents, Washington, D.C., 20231, on this **30th** day of **March 2000**.



Everardo McFarlane



Date